AN - 1994-129127 [16]
AP - JP19920252101 19920826
CPY - NITL
DC - A18 A89 L03 P81 U14
FS - CPI;GMPI;EPI
IC - G02B5/30 ; G02F1/1335 ; G02F1/1337
MC - A09-A02A A12-L03B L03-G05B
- U14-K01A1A U14-K01A1C
PA - (NITL ) NITTO DENKO CORP
PN - JP6075214 A 19940318 DW199416 G02F1/1335 010pp
PR - JP19920252101 19920826
XA - C1994-059618
XIC - G02B-005/30 ; G02F-001/1335 ; G02F-001/1337
XP - N1994-101321
AB - J06075214 A polarising plate has an optical active layer which is made of a twisted nematic oriented liq. crystalline polymer and is formed on an orientation-treated surface on a single side of the polarising film. The orientation-treated surface is formed by treating the surface of a transparent protective layer formed on the polarising film.
- USE/ADVANTAGE - A liq. crystal display device is prepared by laminating the polarising plate to a liq. crystal cell having a double refractivity through a double refractive film. A polarising film having arbitrary optical activity and double refractivity can be easily obtd.. The polarising plate has good flexibility, light-wt. thin and treating properties.
- In an example, a polarising plate is shown as a sectional view. A polarising film (22) made of, e.g. polyvinyl alcohol type film, or ethylene/vinyl acetate copolymer type partially saponified film is formed a transparent protective layer (21) and (22) on both sides. An optical active layer (1) is made of twisted nematic liq. crystalline polymer and is formed on the orientation-treated surface of layer (21). Layer (21) is made of polyester type resin, polycarbonate resin, polyimide type resin or triacetylcellulose and a thickness of 500 micron or less, pref. 200 micron or less.
- (Dwg.1/4)
IW - POLARISE PLATE LCD DEVICE OPTICAL LAYER TWIST NEMATIC ORIENT LC POLYMER FORMING ORIENT TREAT SURFACE POLARISE FILM
IKW - POLARISE PLATE LCD DEVICE OPTICAL LAYER TWIST NEMATIC ORIENT LC POLYMER FORMING ORIENT TREAT SURFACE POLARISE FILM
NC - 001
OPD - 1992-08-26
ORD - 1994-03-18
PAW - (NITL ) NITTO DENKO CORP
TI - Polarising plate and LCD device - has an optical layer of twisted nematic oriented LC polymer formed on orientation treated surface of polarising film
A01 - [001] 017 ; P1707 P1694 ; S9999 S1285-R ;
- [002] 017 ; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82 ; R00835 G0566 G0022 D01 D11 D10 D12 D51 D53 D58 D63 D84 F41 ; P1321 P1694 ; H0022 H0011 ; M9999 M2313 ; S9999 S1285-R ; P1150 ;

P1310 ;
- [003] 017 ; ND01 ; Q9999 Q8322 Q8264 ; K9701 K9676 ; K9574 K9483 ; N9999 N7192 N7023 ; Q9999 Q7818-R ;
- [004] 017 ; B9999 B4397 B4240 ; B9999 B4455 B4240 ; B9999 B4444 B4240 ; B9999 B4035 B3930 B3838 B3747 ; B9999 B5243-R B4740 ; B9999 B4842 B4831 B4740 ;

A02 - [001] 017 ; P0000 ;
- [002] 017 ; ND01 ; Q9999 Q8322 Q8264 ; K9701 K9676 ; K9574 K9483 ; N9999 N7192 N7023 ; Q9999 Q7818-R ;
- [003] 017 ; B9999 B4331 B4240 ; N9999 N7147 N7034 N7023 ;

A03 - [001] 017 ; P0839-R F41 ; P0862 P0839 F41 F44 ; P1081-R F72 ; S9999 S1285-R ;
- [002] 017 ; R17002 R01853 G3645 G3634 G3623 D01 D03 D11 D10 D23 D22 D31 D42 D50 D63 D92 F24 F34 F41 H0293 P0599 ; S9999 S1285-R ;
- [003] 017 ; ND01 ; Q9999 Q8322 Q8264 ; K9701 K9676 ; K9574 K9483 ; N9999 N7192 N7023 ; Q9999 Q7818-R ;
- [004] 017 ; B9999 B5243-R B4740 ; B9999 B4397 B4240 ; N9999 N7147 N7034 N7023 ; B9999 B5447 B5414 B5403 B5276 ; N9999 N7090 N7034 N7023 ;